



IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0502

Philip E. Batt, Governor

September 27, 1996

CERTIFIED MAIL #P 875 705 075

Stacey B. Walters
Safety & Compliance Officer
Valley Ready Mix, Incorporated
P.O. Box 390
Rexburg, Idaho 83440

RE: Valley Ready Mix, Incorporated (Portable) - #9602-152-2
Tier II Operating Permit (#777-00177)

Dear Mr. Walters:

On February 12, 1996, the Division of Environmental Quality (DEQ) received Valley Ready Mix, Inc.'s Tier II Operating Permit (OP) application. On April 14, 1996, the application was determined to be complete. On August 5, 1996, a proposed permit was issued for public comment. No comments were received.

Based on review of your application, state and federal rules and regulations, DEQ finds this project meets the Provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Therefore, I am pleased to enclose your Tier II OP (#077-00177) for the emission sources that exist at the facility.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street - 10th Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Martin Bauer, Chief, Air Quality Permitting Bureau, at (208) 373-0502.

Sincerely,

Orville D. Green
Assistant Administrator
Air & Hazardous Waste

ODG\MB\YHC:jrj...\permit\valley\valleyf.COV

Enclosure

cc: J. Johnston, EIRO
Source File
COF

<p style="text-align: center;">STATE OF IDAHO AIR POLLUTION OPERATING PERMIT</p> <p style="text-align: center;">GENERAL INFORMATION</p>	<p>PERMIT NUMBER</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 2px;">7</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 2px;">7</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 2px;">7</div> <div style="margin: 0 5px;">-</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 2px;">0</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 2px;">0</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 2px;">1</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 2px;">7</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 2px;">7</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;"> <p>AQCR</p> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 auto;"></div> </div> <div style="text-align: center;"> <p>CLASS</p> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 auto;">A 2</div> </div> <div style="text-align: center;"> <p>SIC</p> <div style="border: 1px solid black; padding: 2px 5px; margin: 0 auto;">3 2 7 3</div> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;"> <p>ZONE</p> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 auto;"></div> </div> <div style="text-align: center;"> <p>UTM COORDINATE (km)</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 2px;"></div> <div style="border: 1px solid black; width: 30px; height: 20px; margin: 0 2px;"></div> </div> </div> </div>	
<p>1. PERMITTEE Valley Ready Mix, Incorporated</p>		
<p>2. PROJECT Tier II Operating Permit -- Concrete Batch Plant</p>		
<p>3. ADDRESS P.O. Box 390</p>	<p>TELEPHONE # (208) 356-5491</p>	<p>COUNTY Madison</p>
<p>4. CITY Rexburg</p>	<p>STATE Idaho</p>	<p>ZIP CODE 83440</p>
<p>5. PERSON TO CONTACT Stacey B. Walters</p>	<p>TITLE Safety and Compliance Officer</p>	
<p>6. EXACT PLANT LOCATION Portable Facility</p>		
<p>7. GENERAL NATURE OF BUSINESS & KINDS OF PRODUCTS Manufacturing Ready-Mixed Concrete</p>		
<p>8. GENERAL CONDITIONS</p> <p style="margin-top: 10px;">This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 16.01.01.400 and pertains only to emissions of air contaminants which are regulated by the State of Idaho and to the sources specifically allowed to be operated by this permit.</p> <p style="margin-top: 10px;">THIS PERMIT HAS BEEN GRANTED ON THE BASIS OF DESIGN INFORMATION PRESENTED WITH THE APPLICATION. CHANGES IN DESIGN OR EQUIPMENT, THAT RESULT IN ANY CHANGE IN THE NATURE OR AMOUNT OF EMISSIONS, MAY BE A MODIFICATION. MODIFICATIONS ARE SUBJECT TO DEPARTMENT REVIEW IN ACCORDANCE WITH Section 16.01.01.200 OF THE Rules for the Control of Air Pollution in Idaho.</p>		
<p style="text-align: center;"><i>Reville D. Green</i></p> <p>ASSISTANT ADMINISTRATOR DIVISION OF ENVIRONMENTAL QUALITY</p>		<p style="text-align: right;">ISSUED <u>SEPTEMBER 27, 1996</u> Date</p> <p style="text-align: right;">EXPIRES <u>SEPTEMBER 27, 2001</u> Date</p>

AIR POLLUTION OPERATING PERMIT

PERMIT NUMBER

PERMITTEE AND LOCATION

Valley Ready Mix, Incorporated
Tier II Operating Permit
Portable

777 - 00177

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Ready-Mixed Portable Concrete Batch Plant

1. EMISSION LIMITS

1.1 Particulate Matter (PM) and PM-10 Emission Limits

PM and PM-10 (as defined in IDAPA 16.01.01.006.71) emissions from the Pre-screen material handling, screening, post-screen material handling, cement silo filter vent, weigh hopper loading, and generator shall not exceed any corresponding emission rate limit listed in Appendix A of this permit.

1.2 Visible Emissions

The facility shall not discharge any air pollutant into the atmosphere from any point of emission for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period which is greater than twenty percent (20%) opacity as determined by procedures contained in the Procedures Manual for Air Pollution Control Section II (Evaluation of Visible Emissions Manual), per IDAPA 16.01.01.625 (Rules for the Control of Air Pollution in Idaho).

1.3 Visible Fugitive Emission Limits at Property Boundary

Visible fugitive emissions shall not be observed leaving the property boundary for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period. Visible emissions shall be determined by Method 22, as described in 40 CFR Part 60, Appendix A, or Department approved alternative method.

2. GENERAL OPERATING REQUIREMENTS

2.1 Operating Requirements

2.1.1 The portable concrete batch plant shall only be operated in attainment areas. The Permittee shall obtain the Department approval prior to moving the facility into any PM-10 non-attainment area within the State of Idaho.

2.1.2 All equipment, including the control equipment, listed below shall be operated and maintained in accordance with manufacturers' recommendations and specifications.

2.1.2.1 Diesel Generator - Compression ignition (CI) diesel industrial engine with a maximum rated capacity of 200 kilowatts.

Diesel Generator Specifications:

Manufacturer:	Detroit
Model:	8V-92
Fuel:	#1 or #2 fuel oil

ISSUED: SEPTEMBER 27, 1996
EXPIRES: SEPTEMBER 27, 2001

YHC:jrg...valley\valley.FMT

AIR POLLUTION OPERATING PERMIT

PERMIT NUMBER

PERMITTEE AND LOCATION

Valley Ready Mix, Incorporated
Tier II Operating Permit
Portable

777 - 00177

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Ready-Mixed Portable Concrete Batch Plant

- 2.1.2.2 Cement Silo Filter - the filter is used to control the PM and PM-10 emissions from the silo of cement and fly ash.

Silo Filter Specifications:

Manufacturer:	McNeilus Truck and Manufacturing, Inc.
Control Efficiency:	99.6% for particulates one micron or greater
Model Number:	SFV 270
Air/Cloth Ratio:	2.40

- 2.1.2.3 Screens - with the maximum hourly processing capacity of 200 tons of aggregate.

Screens Specifications:

Manufacturer:	EL-JAY
---------------	--------

- 2.1.2.4 Associated Equipment for Solid Material Transport, Handling, and Storage.

- 2.1.2.5 Wet suppression System - used to control the PM and PM-10 emissions from screening process.

Wet Suppression System Specifications:

Manufacturer:	Eagle Iron Works
---------------	------------------

The Permittee may use another control system that provides equivalent or better emission control efficiency provided that the control system specifications are left on-site and are made available to Department representatives upon request.

2.1.3 Concrete Production Rate

The concrete production rate of the concrete batch plant shall not exceed a maximum of 90,000 cubic yards per month.

2.1.4 Generator Operating Hours

The diesel generator shall not operate more than 3,213 hours annually.

2.1.5 Fuel Specification of Generator

The sulfur fuel content shall not exceed 0.3 percent by weight for #1 fuel oil or 0.5 percent by weight for #2 fuel oil, as required by IDAPA 16.01.01.728 (Rules for the Control of Air Pollution in Idaho). The generator shall use fuel indicated under Section 2.1.2.1 of this permit exclusively.

ISSUED:	SEPTEMBER 27, 1996
EXPIRES:	SEPTEMBER 27, 2001

YHC:jrc...\\valley\valley-PMI

AIR POLLUTION OPERATING PERMIT

PERMITTEE AND LOCATION

Valley Ready Mix, Incorporated
Tier II Operating Permit
Portable

PERMIT NUMBER

777 - 00177

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Ready-Mixed Portable Concrete Batch Plant

2.2 Emissions Control Requirements2.2.1 Wet Suppression Technique

The existing wet suppression system, or other control system that provides equivalent or better control efficiency, shall be used to control entire screening operation.

2.2.2 Cement Silo Filter (Cement silo baghouse)

Silo filter shall be used to control PM and PM-10 emissions from the silo of cement and fly ash.

Within three (3) months of the issuance of this permit, the Permittee shall install, calibrate, maintain and operate, a measuring equipment to continuously measure the pressure drop across the silo filter (cement silo baghouse).

The pressure drop across the cement silo filter shall be maintained within manufacturer's specifications. Documentation of the manufacturer's operating pressure drop specifications shall remain on-site at all times and shall be made available to Department representatives upon request.

2.2.3 Weigh Hopper Loading Control

Sand and rock dropping from elevated bins to the weigh hopper above the concrete mixer shall take place inside of the batch plant, which is totally enclosed.

Cement and flyash dropped into the weigh hopper above the concrete mixer shall be a totally sealed transfer.

2.2.4 Fugitive Emissions

Fugitive emissions generated from solid material transport, handling, and storage operations, road traffic and all other sources of fugitive emissions shall be reasonably controlled in accordance with IDAPA 16.01.01.650 (Rules for the Control of Air Pollution in Idaho).

Some of the reasonable precautions may include, but are not limited to, the following:

- 2.2.4.1 Use of water or environmentally safe chemicals;
- 2.2.4.2 Application of dust suppressants;
- 2.2.4.3 Use of control equipment;
- 2.2.4.4 Covering of trucks;
- 2.2.4.5 Paving; and

ISSUED: SEPTEMBER 27, 1996
EXPIRES: SEPTEMBER 27, 2001

AIR POLLUTION OPERATING PERMIT

PERMITTEE AND LOCATION

Valley Ready Mix, Incorporated
Tier II Operating Permit
Portable

PERMIT NUMBER

7	7	7	-	0	0	1	7	7
---	---	---	---	---	---	---	---	---

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Ready-Mixed Portable Concrete Batch Plant

2.2.4.6 Prompt removal of earth or other stored material from streets, where practical.

3. MONITORING AND RECORDKEEPING REQUIREMENTS

All data listed below shall be recorded in a log and shall be kept at the facility for the most recent two (2) year period and shall be made available to Department representatives upon request.

3.1 Production Rate

The Permittee shall monitor and record the monthly production rate. The product rate shall be recorded as cubic yards per month to demonstrate compliance with Section 2.1.3 of this permit.

3.2 Generator Operating Hours

The Permittee shall monitor and record daily, during operation, the operating hours of the generator to demonstrate compliance with Section 2.1.4 of this permit.

3.3 Pressure drop across the cement silo filter

The Permittee shall monitor and record the pressure drop across the cement silo filter weekly, during operation, to demonstrate compliance with Section 2.2.2 of this permit.

4. REPORTING REQUIREMENTS

4.1 Relocation

At least ten (10) days prior to relocation of any equipment covered by this permit, the Permittee shall report to the Division of Environmental Quality (DEQ), on relocation forms supplied by DEQ, the following information, in accordance with IDAPA 16.01.01.500 (Rules for the Control of Air Pollution in Idaho):

4.1.1 Exact location of the new site of operations;

4.1.2 Start-up date at the new site of operations and the duration of operations at the new site;

4.1.3 Equipment to be used at the new location; and

4.1.4 A scaled plot plan clearly showing the property boundary of the new site.

4.2 Exceedence Reporting of Operational Parameters

The Permittee shall submit a written report to the Department of any exceedence of the parameters specified in Sections 1 and 2 of this permit. The report must be post marked within fifteen (15) days of the occurrence of the exceedence(s), per IDAPA 16.01.01.135.

ISSUED:	SEPTEMBER 27, 1996
EXPIRES:	SEPTEMBER 27, 2001

\\NC\jry...valley\valley.pmt

AIR POLLUTION OPERATING PERMIT

PERMITTEE AND LOCATION

Valley Ready Mix, Incorporated
Tier II Operating Permit
Portable

PERMIT NUMBER

7	7	7	-	0	0	1	7	7
---	---	---	---	---	---	---	---	---

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Ready-Mixed Portable Concrete Batch Plant

4.3 Certification of Documents

All documents, including, but not limited to, progress reports, records, monitoring data, supporting information requests for confidential treatment, testing reports, or compliance certifications shall contain certification by a responsible official in accordance with IDAPA 16.01.01.123. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information provide the signature and title of the responsible official and the date of the signature.

ISSUED:	SEPTEMBER 27, 1996
EXPIRES:	SEPTEMBER 27, 2001

\\HC:\JFJ\...\valley\valley.PMT

APPENDIX A

VALLEY READY-MIX, INCORPORATED - PORTABLE

HOURLY (lb/hr) AND ANNUAL (T/yr) POINT SOURCE EMISSION LIMITS

SOURCE DESCRIPTION	PM		PM-10	
	lb/hr	T/yr	lb/hr	T/yr
Pre-Screen Material Handling	3.53	15.45	1.23	5.41
Screening	9.60	42.05	7.20	31.54
Post-Screen Material Handling	0.38	1.66	0.13	0.58
Cement Silo Filter Vent	0.04	0.19	0.04	0.19
Weight Hopper Loading	0.33	1.45	0.33	1.45
Generator	0.42	0.41	0.42	0.41

ISSUED: SEPTEMBER 27, 1996
EXPIRES: SEPTEMBER 27, 2001

OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et. seq.
- B. The Permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The Permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter upon the Permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
 - 2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 39-111, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environmental Quality.
- E. Nothing in this permit is intended to relieve or exempt the Permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the Permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the Permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the Permittee to develop a list of Operation and Maintenance Procedures which must be approved by the Department. Such list of procedures shall become a part of this permit by reference, and the Permittee shall adhere to all of the operation and maintenance procedures contained therein.

ISSUED:	SEPTEMBER 27, 1996
EXPIRES:	SEPTEMBER 27, 2001

- I. Performance tests (i.e.; air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with the Department's **Procedures Manual for Air Pollution Control**. Such testing shall not be conducted on weekends or state holidays unless the Permittee obtains prior Department approval.

The Permittee shall submit a test protocol and a proposed test date for each performance test required by this permit to the Department for approval at least thirty (30) days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The Permittee shall promptly notify the Department of any change in the proposed test date and shall provide at least five (5) working days advanced notice prior to conducting any rescheduled test, unless the Department approves a shorter notice period.

Within forty-five (45) days of the date on which a performance test required by this permit is concluded, the Permittee shall submit to the Department a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the average operating rate attained during the most recent performance test conducted pursuant to this permit which demonstrated compliance with the respective pollutant emission limit unless; (1) a more restrictive operating limit is specified elsewhere in this permit or; (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

- J. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

ISSUED:	SEPTEMBER 27, 1996
EXPIRES:	SEPTEMBER 27, 2001

\\HC:\ep...\valley\valley.PMT